

Notice of Allowability

Application No.

09/469,480

Examiner

Christopher Onuaku

Applicant(s)

SAEKI, TOMOKI

Art Unit

2616

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to the amendment filed 2/2/04.
2. ☒ The allowed claim(s) is/are 1-12.
3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some* c) ☐ None of the:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

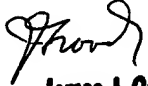
Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413), Paper No./Mail Date _____
7. ☐ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____


James J. Groody
Supervisory Patent Examiner
Art Unit 262-2616

DETAILED ACTION

Allowable Subject Matter

Claims 1-12 are allowable over the prior art of record.

The following is a statement of reasons for the indication of allowable subject matter:

Regarding claim 1, the invention relates to the field of digital video recording, including reproduction of an high definition video signal at a non-standard speed.

The closest reference Lane et al (US 5,377,051) disclose digital video recorders such as video tape recorders (VTRs) capable of recording and/or reproducing recorded video images stored in the form of compressed digital data, for use during fast forward, search and reverse modes of video recorder playback operation.

However, Lane et al fail to explicitly disclose an apparatus adapted to perform a method for recording and reproducing a digital signal in a track on a recording medium for reproduction at normal and trick play speeds, where the method further comprises the step of recording the second record signal in a second part of the track smaller than and separate from the first part of the track, the second record signal corresponding to an image decoded from at least one frame in each group of pictures (GOP) contained in the digital signal.

Regarding claim 8, the invention relates to the field of digital video recording, including reproduction of an high definition video signal at a non-standard speed.

The closest reference Lane et al (US 5,377,051) disclose digital video recorders such as video tape recorders (VTRs) capable of recording and/or reproducing recorded video images stored in the form of compressed digital data, for use during fast forward, search and reverse modes of video recorder playback operation.

However, Lane et al fail to explicitly disclose an apparatus adapted to perform a method for recording and reproducing an MPEG encoded signal in track on a recording medium for reproduction at normal and trick play speeds, where the method further comprises the step of recording at least one of a speed specific trick play signal and an ATV signal in a second part of the track separate from the first part of the track, wherein the second record signal includes an image corresponding to at least one image frame decoded from each group of pictures (GOP) contained in the MPEG encoded signal.

Conclusion


Any inquiry concerning this communication or earlier communications from the examiner should be directed to Christopher Onuaku whose telephone number is 571-272-7379. The examiner can normally be reached on M-F.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, James Groody can be reached on 571-272-7950. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300. NOTE: Effective July 15, 2005, the Central Fax Number will change to 571-273-8300. Faxes sent to the old number (703-872-9306) will be routed to the new number until September 15, 2005.

Art Unit: 2616

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

COO
9/1/05


James J. Groody
Supervisory Patent Examiner
Art Unit 262 2616